

B1 cont.

(c) ~~comprises an insert containing a nucleic acid sequence coding for a cytokine, [this] wherein said insert [being] is under [the] control of [a] an endogenous or heterologous promoter [present in or previously inserted into the above-mentioned genomic sequence.]; and wherein said adenovirus vector lacks the transactivators E1A and E1B and the E3 region of the adenovirus.~~

B2 cont.

3. (Amended) [Recombinant nucleic acid] The adenoviral vector according to claim 1, [characterized in that] wherein the genomic sequence of the adenovirus lacks its 5' end region downstream of the early promoter of the E1A region of the adenovirus, and [in that] wherein the nucleic acid sequence coding for the cytokine is placed under the control of this early promoter.

4. (Amended) [Recombinant nucleic acid] The adenoviral vector according to claim 1 [or claim 2], [characterized in that] wherein the nucleic acid sequence coding for the cytokine is placed under the control of an adenovirus late promoter.

5. (Amended) [Recombinant nucleic acid] The adenoviral vector according to claim 1, [characterized in that] wherein the genomic sequence of the adenovirus [is provided with] has heterologous a promoter [foreign to the adenovirus genome,] and [in that the] wherein said nucleic acid sequence coding for the cytokine is placed under the control of [this] said [foreign] heterologous promoter.

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6. (Amended) [Recombinant nucleic acid, characterized, either in that the] An adenoviral vector comprising a nucleic acid insert [contains] containing sequences coding for several cytokines, or [in that it contains] containing separate nucleic acid inserts coding for different cytokines wherein said nucleic acid inserts are placed, [respectively,] under the control of separate promoters[, which are also separate].

7. (Amended) [Defective] A defective adenovirus, [characterized in that it contains] comprising the [recombinant nucleic acid] sequence according to [any one of claims 1 to 6] claim 1.